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Walters, W. M. (632), 380
Waygood, R., & Co., and Unwin, P. J. (2,427), 420
Weinert, K. (11,360), 460
Welsbach, Dr. C. A. Ritter von, (1,535), 660
Werner, L. C. (13,781), 460
Westengaard, J., Zerener, H. T., and Anderson, N. P. (4,764), 868
Western Electric Company and Kingsbury, J. E. (3,316), 499
Weston, E. (6,991A), 420; (6,992), 420; (6,990), 988; (6,991), 988
White, Jacoby & Co., and Jacoby, H. C. E. (7,583), 988
,, N. H., and Blackburn, A. B. (156), 580
Wilson, R. P., and Voysey, A. A. (1,002), 660
Wise, W. L. (2,584. C. Pieper, Germany), 700; (7,471. Solway & Co.), 988
Witt, A. W., and Strikeman, M. W. (9,881), 460
Wood, C. (5,008), 460
Wordingham, C. H. (6,834), 988
Wydts, A., and Rochefort, O. M. (2,428), 700

ZERENER, H. T., Anderson, N. P., and Westengaard, J. (4,764), 868

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ANDERSON, J. M., and Anderson, A. (96), 500
Aron Electricity Meter, Limited, and Aron, H. (7,277), 620
Arrow, Sir W., and Murray, T. B. (7,756), 620

BACON, D. (6,684), 580
Bagley, H. J. (2,971), 500
Bainbridge, W. H., and Painter, R. B. (3,316), 620
Baird, A. L. (626. T. Barnet), 500
Baker, W. H., and Kip, F. E. (10,892), 740
Bancroft, C. F., and Sullivan, P. F. (5,576), 540
Baner, S. (3,051), 540
Bathurst, F. (6,886), 740
Beckmann, H. (6,300), 580
Beez, C. (6,443), 580
Belknap, L., and Sundh, A. (3,233), 580
Belly, P. F. L., and Rauerot, P. E. E. (710), 620
Berg, F., and Majert, Dr. W. (4,442), 540
Berry, H. H., Rayner, C., and Simon, P. F. W. (3,754), 540
Borchers, W. (3,734), 540; (3,735), 540
Boulange, H., and Fregnac, E. (1,810), 739
Boult, A. J. (7,494. D. W. Payne, United States), 620
Bourgade, R. L. E. de, Lunce, D., and Schmitz, L. (6,582), 580; (8,060), 620
Bouron, H. (1,024), 580
Bowen, M. K., and Knox, G. W. (4,957), 540
Bretonneux, L. A., and Nodon, A. L. C. (1,234), 620
Briscoe, C. T., and Jones, E., and Jones, T. S. (165), 620
British Thomson-Houston Company (5,545. E. W. Rice, jun., and C. P. Steinmetz, United States), 540; (5,546. E. W. Rice, jun., and C. P. Steinmetz, United States), 540
,, Thomson-Houston Company (5,547. C. P. Steinmetz, United States), 540
,, Thomson-Houston Company (5,550. C. P. Steinmetz, and E. J. Berg, United States), 540; (5,551. C. P. Steinmetz, and E. J. Berg, United States), 540
,, Thomson-Houston Company (5,941. E. W. Rice, jun., United States), 580
,, Thomson-Houston Company (6,213. G. B. Painter, United States), 580
,, Thomson - Houston Company (10,135. W. B. Potter, United States), 740
,, Thomson - Houston Company (10,136. H. W. Buck, United States), 740
,, Thomson - Houston Company (13,404. E. Thomson), 740
Bromhead, S. S. (4,068. W. C. Heraeus), 439
Brookes, A. G. (7,953. Dr. S. Sell, Germany), 620; (12,490. Dr. L. Sell), 740
Brown, N. (4,276. The Tirrill Automatic Potential Regulator Co., United States), 580
Bumb, H. (6,297), 740
Burke, J. (5,217), 580
Butcher, J. (4,954), 620

CALLAWAY, E. H. (2,745), 500
Campbell, W. L. (1,334), 500
Carmichael, H. (10,320), 740
Carroll, R. E. (7,656), 620
Case, W. R. (12,171), 740
Cattori, M. (4,176), 540
Childs, J. G., Dallas, J. D., and Lawson, A. J. (8,564), 620
Claremont, E. A., and Royce, F. H. (2,825), 500
Clark, A. M. (5,570. The Campbell Electric Traction Co., Incorporated), 540; (6,510. Hartmann and Braun, Germany), 580; (11,110. The General Incandescent Arc Light Co., Incorporated), 740
Clayton, H. F. (4,699), 540
Condict, G. H. (3,182), 540; (5,840), 620
Cotton, W. H. (427), 540
Cox, C. W., and Gover, H. C. (11,024), 740
Crase, W. E. (12,172), 740

DALLAS, J. D., Lawson, A. J., and Childs, J. G. (8,564), 620
Deri, M. (925), 500; (2,858), 500; (8,482), 740
Dessolle, E. L. (10,317), 660
Dick, E. (3,440), 739
Domjen, J., and Schrotter, C. (10,596), 740
Duddell, W. D. B. (7,654), 620

FANNENBERG, A. P. (10,911), 740
Feeny, V. J. (6,024–6,028. Allgemeine Elektricitäts Gesellschaft, Germany), 580; (6,027. Allgemeine Electricitäts Gesellschaft, Germany), 620
Field, M. E. (2,934), 540
Fleischhacker, H. (2,396), 500
Flower, J. W., and Gambrell, T. E. (2,726), 580
Fregnac, E., and Boulange, H. (1,810), 739
Fuld, M. E. (6,562), 580
Furer, M.D., C. (2,325), 500

GAMBRELL, C. T., and Gambrell, T. E. (6,420), 580
,, T. E., and Flower, J. W. (2,726), 580
Geer, T., and Sandy, W. J. L. (864), 620
Girouard, R. (10,205), 740
Golby, F. W. (10,769. La Société Anonyme "Lux Nova"), 740
Gover, H. C., and Cox, C. W. (11,024), 740
Gray, J. (9,566), 700

HAAS, M. (10,215), 700
Haffner, F., Kock, M., and Meizer, J. (1,683), 500
Hall, R. F. (6,269), 540; (6,270), 580; (6,478), 580; (5,262), 620
,, R. T. (5,255), 540
Hammerstein, R. (13,418), 740
Hathaway, J. G. (2,299), 500
Heaton, F. W., and Smith, H. (4,774), 580; (9,632), 700
Heyl-Dia, G. E. (2,610), 540
Hirschmann, G. (8,857), 660
Hirst, H., and Mead, W. (1,835), 540
Hooper, G. H. B. (8,586), 620
Huber, L. (6,847), 620
Hullstrung, G. (5,572), 580

IMRAY, O. (5,030. A. E. Maccoun, United States), 540

JOHNSTON, J. Y. (5,868. Hartmann and Braun, Germany), 540
Johnson, W. C., and Wunderlich, A. (4,231), 540; (6,157), 580
Jones, E., Jones, T. S., and Briscoe, C. T. (165), 620
Joseph, E. L. (2,654) 500
Justice, P. M. (6,604. The Pope Manufacturing Company, Incorporated), 740 (7,005. The Pope Manufacturing Company, Incorporated), 740

KAHN, L. (4,845), 739
Kands, C. de (10,413), 740
Kessler, W. F. (6,816), 740
Kinraide, T. B. (5,519), 540; (5,518), 739
Kip, F. E., and Baker, W. H. (10,892), 740
Knox, G. W., and Bowen, M. K. (4,957), 540
Kock, M., Meizer, J., and Haffner, F. (1,683), 500

LAKE, H. H. (7,886. A. R. Shattuck, United States), 580; (9,987. A. R. Shattuck, United States), 660
Lauckert, E. T. H. H., and Siemens Bros. and Co. (11,106), 740
Lawson, A. J., Childs, J. G., and Dallas, J. D. (8,564), 620
Liddle, J. (7,579. J. Cloos, United States), 620
Lippoid, P., Renz, E., and Schafer, J. C. (813), 620
Lunce, D., Bourgade, R. L. E. de, and Schmitz, L. (6,582), 580; (8,060), 620
Lundberg, A. P., and Lundberg, G. C. (6,647), 580
Lundell, R. (7,978), 740; (7,979), 740

McDOUGALL, W. M. (1,553), 739
Maizer, J., Haffner, F., and Kock, M. (1,683), 500
Majert, Dr. W., and Berg, F. (4,442), 540
Manley, J. W. (2,780), 540
Marsh, T. H., and Vandam, A. (11,097), 740
Matthias, J. (7,527), 620
Mead, W., and Hirst, H. (1,835), 540
Menges, C. L. R. E. (10,816), 700
Miller, W. (11,685), 740
Murray, T. B., and Arroll, Sir W. (7,756), 620

NEHEMIAS, M. J., and Schroeder, H. F. A. (2,386), 439
Neville, R. R. F., Newton, S. P., Tew, E., Newton, L. H. (3,775), 540
Newton, L. H., Neville, R. R. F., Newton, S. P., and Tew, E. (3,774), 540
,, P. A. (12,309. The Nickerbocker Trust Company), 740
Nodon, A. L. C., and Bretonneux, L. A. (1,234), 620

OTTO, M. (6,883), 580
Overshiner, J. M. (5,190), 580

PAINTER, R. B., and Bainbridge, W. H. (3,316), 620
Parsons, J. H., and Staveley, A. W. (8,820), 660
Piecher, A. (10,791), 740
Porter, E. F. (1,001), 540

RAUEROT, P. E. E., and Belly, P. F. L. (710), 620
Rayner, C., Simon, P. F. W. and Berry, H. H. (3,754), 540
Renz, E., Lippoid, P., and Schafer, J. C. (813), 620
Rhodin, J. G. A. (11,422), 740
Ribbl, P. F. (2,288), 500
Rieder, U., and Schunemann, G. (5,111), 580
Rosemayer, J. (9,429), 660
Royce, F. H., and Claremont, E. A. (2,825), 500
Rutherford, W. (4,119), 540
Rzepka, P. (2,994), 500

SANDY, W. J. L., and Geer, T. (864), 620
Schafer, J. C., Renz, E., and Lippoid, P. (813), 620
Schmitz, L., Lunce, D., and Bourgade, R. L. E. de (6,582), 580; (8,060), 620
Schroeder, H. F. A., and Nehemias, M. J. (2,386), 439
Schrotter, C., and Domjen, J. (10,596), 740
Schunemann, G., and Rieder, U. (5,111), 580
Scull, A. S. (1,557), 739
Siemens, A., and Siemens Bros. & Co. (2,174), 500
,, Bros. & Co., and Lauckert, E. T. H. H. (11,106), 740
,, Bros. & Co., and Wilson, J. G. (2,956), 500
,, Bros. & Co. (Siemens and Halske, Aktien Gesellschaft) (287), 500; (2,175), 500; (6,439), 620; (8,140), 620; (9,511), 660; (9,999), 740; (11,105), 740; (11,658), 740
Silbermann, A. (907), 500
Simon, P. F. W., Berry, H. H., and Rayner, C. (3,754), 540
Singer, F. E. (5,619), 540
Skwirsky, J. (3,736), 540
Slater, J. C. (6,296), 739
Smith, H., and Heaton, F. W. (4,774), 580; (9,632), 700
Staveley, A. W., and Parsons, J. H. (8,820), 660
Stenz, H., and Weyer, J. J. (7,925), 620
Sterzo, A. (1,203), 500
Sullivan, P. F., and Bancroft, C. F. (5,576), 540
Sundh, A., and Belknap, L. (3,233), 580
Swoboda, H. O. (10,340), 620

TEW, E., Newton, L. H., Neville, R. R. F., and Newton, S. P. (3,774), 504
Thompson, W. P. (1,324. The accumulatoren and Electricitäts Werke, A. G. Vorm, and W. A. Boese and Co.), 500; (6,693. M. Meyburg, United States), 620
Thomsen, H. P. J. J. (1,232), 500
Treleaven, J. (1,627), 540
Trowe, E. (7,389), 620

UNTERBERG, F. (387), 540

VANDAM, A., and Marsh, T. H. (11,097), 740
Vignon-Dunto, J. M. J. E. (6,067), 540

WARD, jun., O. (3,717) 580
Watson, A. (5,341), 739
Weyer, J. J., and Stenz, H. (7,925), 620
Wheatley, W. H. (7,883. D. G. Stoughton, United States), 580
Wilke, F. (11,948), 740
Wilkinson, G. (4,878), 540
Willard, T. A. (101), 500; (102), 500
Willmot, J. W. (764), 540
Wilson, D. H. (580), 540
,, J. G., and Siemens Bros & Co. (2,956), 500
Winslow, J. E. (3,387), 540
Wise, W. L. (6,347. The Actien Gesellschaft Elektricitäts-werke, vorm V. L. Krummer & Co., Germany), 580
Withycombe, F. H. (3,189), 540
Wunderlich, A., and Johnson, W. C. (4,231), 540; (6,157), 580

PATENTS EXPIRING, 1899.

BARRETT, H., Elmore, W., and Elmore, A. S. (15,988), 908
Benardos, N. de, and Olszewski, S. (12,984), 620
Brockie, J., and Pell, B. (12,681), 619

DRAKE, B. M., and Gorham, J. M. (15,658), 908

ELMORE, F. E. (10,451), 379; (11,800), 619
,, W., Elmore, A. S., and Barrett, H. (15,988), 908

FERRANTI, S. Z. de (15,251), 908

GORHAM, J. M., and Drake, B. M. (15,658), 908

HANDFORD, T. J. (9,527. F. J. Sprague, United States), 255

MARTIN, E. (13,207), 908

OLSZEWSKI, S., and Benardos, N. de (12,984), 620

PELL, B., and Brockie, J. (12,681), 619

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